

BINGHAM McCUTCHEON

RECEIVED  
CENTRAL FAX CENTER  
DEC 15 2006

## Facsimile

DATE: December 15, 2006

Bingham McCutchen LLP  
1900 University Avenue  
East Palo Alto, CA  
94303-2223

650.849.4400  
650.849.4800 fax

bingham.com

Boston  
Hershey  
London  
Los Angeles  
New York  
Orange County  
San Francisco  
Silicon Valley  
Tokyo  
Walnut Creek  
Washington

	NAME	FAX	PHONE
TO:	Examiner James M. Kish U.S. Patent and Trademark Office	571-273-8300	571-272-5554

FROM: Sheila A. Badon (650) 849-4800 (650) 849-4455  
sheila.badon@bingham.com

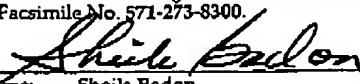
PAGES: (INCLUDING THIS COVER PAGE): 13  
U.S. Application Serial No: 10/687,522

RE: Entitled: SYSTEMS AND METHODS FOR FUNCTIONAL IMAGING USING CONTRAST-ENHANCED MULTIPLE-ENERGY COMPUTED TOMOGRAPHY  
Filed: October 15, 2003  
Attorney Docket No. VM7036492001

## MESSAGE:

**Certificate of Mailing/Transmission (37 C.F.R. § 1.8(a)):**  
 Pursuant to 37 C.F.R. § 1.6(d), I hereby certify that this paper and all enclosures are being sent via facsimile on the date indicated below to the attention of Examiner James M. Kish at Facsimile No. 571-273-8300.

Dated: December 15, 2006

Name of Person Certifying:  
Printed Name: Sheila Badon


## Enclosed:

- Transmittal (1 pg.);
- Amendment and Response to Office Action (11 pgs.)

For transmission problems, please call (650) 849-4825

The information in this transmittal (including attachments, if any) is privileged and confidential and is intended only for the recipient(s) listed above. If you are neither the intended recipient(s) nor a person responsible for the delivery of this transmittal to the intended recipient(s), you are hereby notified that any unauthorized reading, distribution, copying or disclosure of this transmittal is prohibited. If you have received this transmittal in error, please notify us immediately at (same telephone number as in first paragraph - will duplicate) and return the transmittal to the sender. Thank you.

Timekeeper No:	27577	Client/Matter No:	2018721-7036492001	DATE/TIME STAMP
Client/Matter Name:	Varian Medical Systems Technologies, Inc.			
Return To:	Sheila Badon		Floor No: 04	

PA/52193599.1

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b>		Application Number	10/687,522
		Filing Date	October 15, 2003
		First Named Inventor	Edward J. Seppi
		Art Unit	3737
		Examiner Name	James M. Kish
Total Number of Pages in This Submission	12	Attorney Docket Number	VM7036492001

RECEIVED  
CENTRAL FAX CENTER  
DEC 15 2006

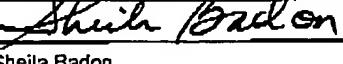
ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply (11 pgs). <input type="checkbox"/> After Final ( pgs). <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Formal Drawing(s) ( sheets) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition to Correct Inventorship <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Fax Cover Sheet to Examiner
<div style="border: 1px solid black; padding: 2px;">Remarks</div>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm	Bingham McCutchen LLP		
Signature			
Printed Name	Erich C. Tzou		
Date	December 15, 2006	Reg. No.	56,927

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature	
Typed or printed name	Sheila Badon
Date	December 15, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS: SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-8199 and select option 2.

DEC 15 2006

PATENT

Attorney Docket No. VM7036492001  
Varian No. 03-029**Certificate of Mailing/Transmission (37 C.F.R. § 1.8(a)):**

[X] Pursuant to 37 C.F.R. § 1.6(d), I hereby certify that this paper and all enclosures are being sent via facsimile on the date indicated below to the attention of Examiner James M. Kish at Facsimile No. 571-273-8300.

Dated: December 15, 2006

Name of Person Certifying:

Printed Name: Sheila BadonSheila Badon**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of:

Edward J. Seppi, et al.

Serial No.: 10/687,522

Filed: October 15, 2003

For: SYSTEMS AND METHODS FOR  
FUNCTIONAL IMAGING USING  
CONTRAST-ENHANCED MULTIPLE-  
ENERGY COMPUTED TOMOGRAPHY

Group Art Unit: 3737

Examiner: Kish, James M.

Confirmation No.: 5245

**AMENDMENT & RESPONSE TO OFFICE ACTION**

**MAIL STOP Amendment**  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action mailed October 2, 2006, please amend the application in accordance with the following amendment sheet(s).

Amendments to the Claims begin on page 2.

Remarks begin on page 9.